



Sheet 1 of 14

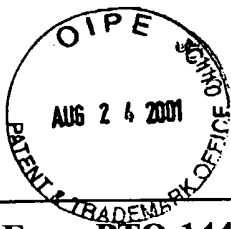
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. PHRM-0325 (00133.US1)	Serial No. 09/852,386
		Applicant Steven L. Roberds, et al.	
		Filing Date May 10, 2001	Group 1646 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
MOP	AA	Akane, A., et al., "direct dideoxy sequencing of genomic DNA by ligation-mediated PCR," <i>Biotechniques</i> , 1994 , 16(2), 238-241 (page 239 - advertisement)	
↑	AB	Altschul, S. F., et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Research</i> , 1997 , 25(17), 3389-3402	
	AC	Altschul, S. F., et al., "Basic local alignment search tool," <i>J. Mol. Biol.</i> , 1990 , 215, 403-410	
	AD	American Veterinary Medical Association, <i>Report of the American Veterinary Medical Assoc.</i> , Panel on Euthanasia, <i>Journal of American Veterinary Medical Assoc.</i> , 1993 , 202, 229-249	
	AE	Anderson, W.F., "Human gene therapy," <i>Nature</i> , Supplement to Vol. 392(6679), 1998 , 25-30	
	AF	Anderson, W. F., "Human gene therapy," <i>Science</i> , 1992 , 256, 808-813	
	AG	Aukrust, P., et al., "Enhanced levels of soluble and membrane-bound CD40 ligand in patients with unstable angina; Possible Reflection of T lymphocyte and platelet involvement in the pathogenesis of acute coronary syndromes," <i>Circulation</i> , 1999 , 100, 614-620	
*	AH	Ausubel, F. M., et al., <i>Short Protocols in Molecular Biology</i> , 4 th Ed., 1992 , Greene & Wiley-Interscience, New York	
*	AI	Ausubel, et al. (Eds.), <i>Current Protocols in Molecular Biology</i> , New York, 1987-1999 , John Wiley & Sons, Inc.	
↓	AJ	Ausubel, et al. (Eds.), "Chapter 6, Screening of recombinant DNA libraries," <i>Current Protocols in Molecular Biology</i> , 1994 , John Wiley & Sons, 6.0.1-6.4.10	
MOP	AK	Baindur, N., et al., "Selective fluorescent ligands for pharmacological receptors," <i>Drug Dev. Res.</i> , 1994 , 33, 373-398	
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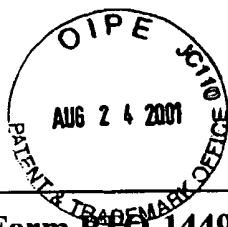
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MOP	AL	Bang, H., et al., "TREK-2, a new member of the mechanosensitive tandem-pore K ⁺ channel family," <i>J. Biological Chem.</i> , 275(23), 2000, 17412-17419	
↑	AM	Benoist C., et al., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> , 1981, 290, 304-310	
*	AN	Berger, et al., <i>Guide to Molecular Cloning Techniques</i> , Methods in Enzymology 152, 1987, Academic Press, Inc., San Diego, CA	
	AO	Bossé, R., et al., "Development of nonseparation binding and functional assays for G protein-coupled receptors for high throughput screening: Pharmacological characterization of the immobilized CCR5 receptor on FlashPlate®," <i>J. Biomolecular Screening</i> , 1998, 3(4), 285-292	
	AP	Breedon, L., et al., "Regulation of the yeast HO gene," <i>Cold Spring Harb. Symp. Quant. Biol.</i> , 1985, Vol. L, <i>Molecular Biology of Development</i> , 643-650	
	AQ	Van Broeck, J.J.M., "G-protein-coupled receptors in insect cells," <i>Int. Rev. Cytology</i> , 1996, 164, 189-268	
	AR	Cane, D. E., et al., "Harnessing the Biosynthetic Code: Combinations, Permutations, and Mutations," <i>Science</i> , Oct. 1998, 282, 63-68	
	AS	Capecchi, M. R., "Altering the genome by homologous recombination," <i>Science</i> , 1989, 244, 1288-1292	
↓	AT	Chambers, R. C., et al., "Thrombin stimulates fibroblast procollagen production via proteolytic activation of protease-activated receptor 1," <i>Biochem J.</i> , 1998, 333, 121-127	
MOP	AU	Choo, Y., et al., "Promoter-specific activation of gene expression directed by bacteriophage-selected zinc fingers," <i>J. Mol. Biol.</i> , 1997, 273, 525-532	
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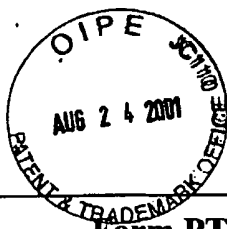
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MDP	AV	Cicala, C., et al., "Bronchoconstrictor effect of thrombin and thrombin receptor activating peptide in guinea-pigs in vivo," <i>Br. J. Pharmacol</i> , 1999 , 126, 478-484	
↑	AW	Cirino, G., et al., "Thrombin functions as an inflammatory mediator through activation of its receptor," <i>J. Exp. Med.</i> , 1996 , 183, 821-827	
*	AX	Cobbold, et al., "Aequorin measurements of cytoplasmic free calcium," In: McCormack J.G., et al. (Eds.), <i>Cellular Calcium: A Practical Approach</i> , 1991 , Oxford, IRL Press	
	AY	Colotta, F., et al., "Expression of monocyte chemotactic protein-1 by monocytes and endothelial cells exposed to thrombin," <i>Am. J. Pathol</i> , 1994 , 144, 975-985	
	AZ	Conley, E.C., "The Ion Channels FactsBook, Extracellular Ligand-Gated Channels," <i>Academic Press, London and San Diego</i> , 1995 , page 426	
	BA	Cosman, D., et al., "High Level Stable Expression of Human Interleukin-2 receptors in Mouse Cells Generates only Low Affinity Interleukin-2 Binding Sites," <i>Mol. Immunol.</i> , 1986 , 23(9), 935-941	
	BB	Cosman, D., et al., "Cloning sequence and expression of human interleukin-2 receptor," <i>Nature</i> , 1984 , 312, 768	
*	BC	Current Protocols in Molecular Biology, <i>John Wiley & Sons, NY</i> , 1999	
	BD	Cutting, G. R., "Cloning of the γ -aminobutyric acid (GABA) $\rho 1$ cDNA: A GABA receptor subunit highly expressed in the retina," <i>Proc. Natl. Acad. Sci. USA</i> , April 1991 , 88, 2673-2677	
	BE	Dayoff, in <i>Atlas of Protein Sequence and Structure</i> , 1972 , National Biochemical Research Foundation, Washington, D.C., 5, 124	
*	BF	Di Wallis (Ed.), "Electrophysiology, A Practical Approach," <i>IRL Press at Oxford University Press</i> , 1993	
MDP	BG	DiCuccio, M. N., et al., "A functional tethered ligand thrombin receptor is present on human hematopoietic progenitor cells," <i>Exp. Hematol</i> , 1996 , 24, 914-918	
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MDP	BH	Donovan, F. M., et al., "Thrombin induces apoptosis in cultured neurons and astrocytes via a pathway requiring tyrosin kinase and RhoA activities," <i>J. Neurosci</i> , 1997, 17(14), 5316-5326	
↑	BI	Douglas, A. M., et al., "Direct sequencing of double-stranded PCR products incorporating a chemiluminescent detection procedure," <i>Biotechniques</i> , 1993, 14, 824-828	
	BJ	Drmanac, R., et al., "DNA Sequence Determination by Hybridization A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> , 1993, 260, 1649-1652 (sequencing by hybridization)	
	BK	Drmanac, S., et al., "Accurate sequencing by hybridization for DNA diagnostics and individual genomics," <i>Nature Biotechnology</i> , 1998, 16, 54-58	
	BL	Dunlop, J., et al., "Characterization of 5-HT _{1A} receptor functional coupling in cells expressing the human 5-HT _{1A} receptor as assessed with the cytosensor microphysiometer," <i>J. Pharmacological and Toxicological Methods</i> , 1998, 40(1), 47-55	
*	BM	Eisenthal, R., et al. (Eds.) In <i>Enzyme Assays, A Practical Approach</i> , 1992, Oxford University Press	
↓	BN	Fields, S., et al., "The two-hybrid system: an assay for protein-protein interactions," <i>Trends in Genetics</i> , 1994, 10(8), 286-292	
MDP	BO	Fields, S., et al., "A novel genetic system to detect protein-protein interactions," <i>Nature</i> , 1989, 340, 245-246	
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MDP	BP	Fink, M. et al., "Cloning, functional expression and brain localization of a novel unconventional outward rectifier K ⁺ channel," <i>The EMBO Journal</i> , 1996, 15(24), 6854-6862	
↑	BQ	Fischer, S. G., et al., "DNA fragments differing by single base-pair substitutions are separated in denaturing gradient gels: Correspondence with melting theory," <i>Proc. Natl. Acad. Sci. USA</i> , 1983, 80, 1579-1583	
	BR	Friedmann, T., "Progress toward human gene therapy," <i>Science</i> , 1989, 244, 1275-1281	
	BS	Gerhardt, C. C., et al., "Functional characteristics of heterologously expressed 5-HT receptors," <i>Eur. J. Pharmacology</i> , 1997, 334, 1-23	
	BT	Gill, J. S., et al., "Thrombin induced inhibition of neurite outgrowth from dorsal root ganglion neurons," <i>Brain Res.</i> , 1998, 797, 321-327	
	BU	Grabham, P., et al., "Thrombin receptor activation stimulates astrocyte proliferation and reversal of stellation by distinct pathways: involvement of tyrosine phosphorylation," <i>J. Neurochem</i> , 1995, 64, 583-591	
	BV	Greisman, H. A., et al., "A general strategy for selecting high-affinity zinc finger proteins for diverse DNA target sites," <i>Science</i> , 1997, 275, 657-661	
*	BW	Harlow, et al. (Eds.), <i>Antibodies A Laboratory Manual</i> , 1988, Cold Spring Harbor Laboratory; Cold Spring Harbor, New York	
↓	BX	Hauck, R. W., et al., "α-thrombin stimulates contraction of human bronchial rings by activation of protease-activated receptors," <i>Am J. Physiol</i> , 1999, 277, L22-L29	
* MDP	BY	Haugland, <i>Handbook of Fluorescent probes and Research Chemicals</i> , 6 th Ed., 1996, Eugene OR: Molecular Probes	
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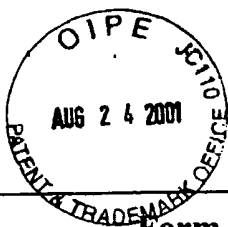
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* NDP	BZ	Hendrix, R.W., Ed., <i>Lambda II</i> , 1980, Cold Spring Harbor Press, Cold Spring Harbor, NY	
↑	CA	Henikoff, S., et al., "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89, 10915-10919	
*	CB	Hershey, A. D., (Ed.), <i>The Bacteriophage Lambda</i> , 1973, Cold Spring Harbor Press, Cold Spring Harbor, New York	
	CC	Hill, D. C., "Trends in development of high-throughput screening technologies for rapid discovery of novel drugs," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(1), 92-97	
	CD	Hodgson, J., "Receptor screening and the search for new pharmaceuticals," <i>Bio/Technology</i> , 1992, 10, 973-980	
	CE	Hoffman, M., et al., "Thrombin enhances monocyte secretion of tumor necrosis factor and interleukin-1 beta by two distinct mechanisms," <i>Blood Cells Mol Dis</i> , 1995, 21, 156-167	
	CF	Jan, L. Y. et al., "Voltage-gated and inwardly rectifying potassium channels," <i>J. of Physiology</i> , 1997, 505(2), 267-282	
↓	CG	Jayawickreme, C. K., et al., "Gene expression systems in the development of high-throughput screens," <i>Current Opinion in Biotechnology</i> , 1997, 8, 629-634	
NDP	CH	Karlin, S., et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 5873-5787	
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MDP	CI	Kieleczawa, J., et al., "DNA sequencing by primer walking with strings of contiguous hexamers," <i>Science</i> , 1992 , 258, 1787-1791	
↑	CJ	Kim, J., et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <i>Proc. Natl. Acad. Sci. USA</i> , 1997 , 94, 3616-3620	
	CK	Krogh, A. et al., "Hidden Markov Models in Computational Biology," <i>J. Mol. Biol.</i> , 1994 , 253, 1501-1531	
*	CL	Kruse et al. (eds.), in <i>Tissue Culture</i> , Academic Press, 1973	
	CM	Kuntzweiler, T. A., et al., "Rapid assessment of ligand actions with nicotinic acetylcholine receptors using calcium dynamics and FLIPR," <i>Drug Development Research</i> , 1998 , 44(1), 14-20	
	CN	Lehninger, "Chapter 4, The amino acid building blocks of proteins," <i>Biochemistry</i> , 2 nd Ed., 1975 , Worth Publishers, Inc., New York, New York, 71-77	
	CO	Lesage F., et al., "Potassium ion channels, molecular structure, function, and diseases," in <i>Current Topics in Membranes</i> , 1999 , Kurachi, Y., et al. (Eds.), 46, 199-222	
	CP	Levin, E. D. et al., "AR-R 17779, an α 7 nicotinic agonist, improves learning and memory in rats," <i>Behavioural Pharmacology</i> , 1999 , 10 (6/7), 675-780	
	CQ	Lin, A. H., et al., "The oxazolidinone eperezolid binds to the 50S ribosomal subunit and competes with binding of chloramphenicol and lincomycin," <i>Antimicrobial Agents and Chemotherapy</i> , 1997 , 41(10), 2127-2131	
↓	CR	Liu, Q., et al., "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes," <i>Proc. Natl. Acad. Sci. USA</i> , 1997 , 94, 5525-5530	
* MDP	CS	Lodish, H., et al., <i>Molecular Cell Biology</i> , 3 rd Ed., 1995	
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MDP	CT	Luckow, V. A., et al., "Trends in the development of baculovirus expression vectors," <i>Bio/Technology</i> , 1988, 6, 47-55	
↑	CU	Luckow, V. A., et al., "High Level Expression of Nonfused Foreign Genes with Autographa californica Nuclear Polyhedrosis Virus Expression Vectors," <i>Virology</i> , 1989, 170, 31-39	
	CV	Mahajan, N. P. et al., "Bcl-2 and Bax interactions in mitochondria probed with green fluorescent protein and fluorescence resonance energy transfer," <i>Nature Biotechnology</i> , June 1998, 16, 547-552	
	CW	Maxam, A. M., et al., "Sequencing end-labeled DNA with bse-specific chemical cleavages", <i>Meth. Enzymol.</i> , 1977, Vol. 65, 499-560	
	CX	McColl, D. J., et al., "Structure-based design of an RNA-binding zinc finger", <i>Proc. Natl. Acad. Sci. (USA)</i> , 1997, Vol. 96, 9521-9526	
	CY	Miller, A. D., "Human gene therapy comes of age", <i>Nature</i> , 1992, Vol. 357, pp. 455-460	
	CZ	Mirzabekov, A. D., "DNA sequencing by hybridization - A megasequencing method and a diagnostic tool?", <i>TIBTECH</i> , 1994, Vol. 12, 27-32	
↓	DA	Morris, R., et al., "Thrombin receptor expression in rheumatoid and osteoarthritic synovial tissue", <i>Ann. Rheum. Dis.</i> , 1996, Vol. 55, 841-843	
MDP	DB	Murphy, A. J., et al., "From DNA to drugs: the orphan G-protein coupled receptors," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(2), 192-199	
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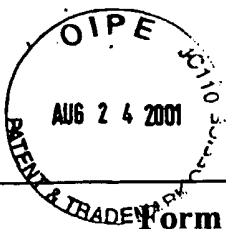
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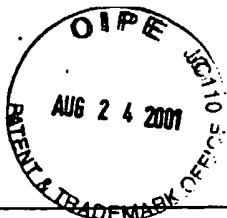
MDP	DC	Myers, R. M., et al., "Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA: DNA duplexes", <i>Science</i> , 1985 , Vol. 230,1242-1246
↑	DD	Myers, P., "Will combinatorial chemistry deliver real medicines," <i>Curr. Opin. Biotechnology</i> , 1997 , 8, 701-707
	DE	Nakayama, G. R., "Microplate assays for high-throughput screening," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998 , 1(1), 85-91
	DF	National Center for Biotechnology Information (http://www.ncbi.nlm.nih.gov/)
*	DG	O'Rielly, et al. (Eds.), <i>Baculovirus Expression Vectors: A Laboratory Manual</i> , 1992 , W.H. Freeman and Company, New York
	DH	Okayama, H., et al., "A cDNA cloning vector that permits expression of cDNA inserts in mammalian cells," <i>Mol. Cell. Biol.</i> , 1983 , 3(2), 280-289
	DI	Orita, M., et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms," <i>Proc. Natl. Acad. Sci. USA</i> , 1989 , 86, 2766-2770
* ✓	DJ	Osol, A. (Ed.), <i>Remington's Pharmaceutical Sciences</i> , 16 th Ed., 1980
MDP	DK	Parodi, L. A., et al., "A consensus procedure for predicting the location of α -helical transmembrane segments in proteins," <i>Comput. Appl. Biosci.</i> , 1994 , 10(5), 527-535

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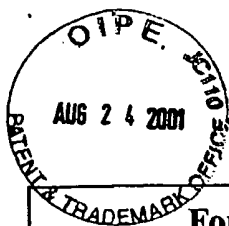


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MBP	DL	Pastinen, T., et al., "Minisequencing: A specific tool for DNA analysis and diagnostics on oligonucleotide arrays," <i>Genome Res.</i> , 1997 , 7, 606-614	
↑	DM	Patel, A.J., et al., "Inhalational anesthetics activate two-pore-domain background K ⁺ channels," <i>Nature Neuroscience</i> , 1999 , 2(5), 422-426	
	DN	Pausch, M. H., "G-protein-coupled receptors in <i>saccharomyces cerevisiae</i> : high-throughput screening assays for drug discovery," <i>Trends in Biotechnology</i> , 1997 , 15, 487-494	
	DO	Pease, A. C., et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis," <i>Proc. Natl. Acad. Sci. USA</i> , 1994 , 91, 5022-5026	
	DP	Pindon, A., et al., "Thrombin-induced reversal of astrocyte stellation is mediated by activation of protein kinase C β -1," <i>Eur. J. Biochem.</i> , 1998 , 255, 766-774	
	DQ	Rajan, S., et al., "THIK-1 and THIK-2, a novel subfamily of tandem pore domain K ⁺ ," <i>J. Biol. Chem.</i> , 2001 , 276(10), 7302-7311	
	DR	Ramsay, G., "DNA chips: state-of-the-art," <i>Nature Biotechnology</i> , 1999 , 16, 40-48	
	DS	Riesner, D., et al., "Temperature-gradient gel electrophoresis of nucleic acids: Analysis of conformational transitions, sequence variations, and protein-nucleic acid interactions," <i>Electrophoresis</i> , 1989 , 10, 377-389	
	DT	Roberts, E., et al., "Potassium permanganate and tetraethylammonium chloride are a safe and effective substitute for osmium tetroxide in solid-phase fluorescent chemical cleavage of mismatch," <i>Nucl. Acids Res.</i> , 1997 , 25(16), 3377-3378	
↓	DU	Rogers, M. V., "Light on high-throughput screening: fluorescence-based assay technologies," <i>Drug Discovery Today</i> , 1997 , 2(4), 156-160	
MBP	DV	Rowley, G., et al., "Ultrarapid mutation detection by multiplex solid-phase chemical cleavage," <i>Genomics</i> , 1995 , 30, 574-582	
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MOP	DW	Salkoff, L. et al., "Surfing the DNA Databases for K ⁺ Channels Nets Yet More Diversity," <i>Neuron</i> , Sept. 1995, 15, 489-492	
* ↑	DX	Sambrook, et al., <i>Molecular Cloning: A Laboratory Manual</i> , 2 nd Ed., 1989, Cold Spring Harbor Press, Cold Spring Harbor, New York	
	DY	Sambrook, et al., (Eds.), <i>Molecular Cloning: A Laboratory Manual</i> , 1989, Cold Spring Harbor Laboratory Press: Cold Spring Harbor, New York, 9.47-9.51	
	DZ	Sanger, F., et al., "DNA sequencing with chain-terminating inhibitors," <i>Proc. Natl. Acad. Sci. USA</i> , 1977, 74(12), 5463-5467	
	EA	Schaefer, A. J. et al., "DNA variation and the future of human genetics," <i>Nature Biotechnology</i> , Jan. 1998, 16, 33-39	
	EB	Schroeder, K. S., et al., "FLIPR: A new instrument for accurate, high throughput optical screening," <i>J. Biomolecular Screening</i> , 1996, 1(2), 75-80	
	EC	Segal, D. J., et al., "Toward controlling gene expression at will: Selection and design of zinc finger domains recognizing each of the 5'-GNN-3' DNA target sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96, 2758-2763	
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* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



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		Applicant Steven L. Roberds, et al.	
		Filing Date May 10, 2001	Group Not Yet Assigned
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↑	ER	Wahlestedt, C. et al., "Potent and nontoxic antisense oligonucleotides containing locked nucleic acids," <i>PNAS</i> , May 9, 2000, 97(10), 5633-5638	
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(00133.US1)Serial No.
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↑	EY	4,683,195	07/28/87	Mullis, et al.	435	6
	EZ	4,683,202	07/28/87	Mullis	435	6
	FA	4,879,236	11/07/89	Smith, et al.	435	235
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